TABLE VII-E.

Role of Socioeconomic and other risk factors in patients with coronary heart disease

Part A. United States

State Investigators and Design	Role of Cigarette Smoking	Role of Other Risk Factors
California		
P = 2,252 employees Chapman et al., 1957		VII-A. Physical activity VIII-B. Hypertension
S = 669 students and family Andrus et al., 1963		VIII-B. Blood pressure
Connecticut		
P = 164 industrial workers Meigs and Albrink 1966		VI-A. Genetic
Delaware		
P = 209 cases of myocardial infarction Pell and D'Alonzo 1958 Pell and D'Alonzo 1970		VII-B. Obesity VIII-B. Hypertension
Georgia		
P = 632 white residents Kaplan et al., 1971		VII-E. Occupational mobility
Hawaii		
P = 42 cases of myocardial infarction Bassett et al., 1969 Bassett et al., 1969 Chung et al., 1969 Bassett et al., 1969 Bassett and Schroffner 1970	Smoking prevalent	VI-A. Race VII-D. Diet VII-E. Alcohol
P = 8,006 men Kagan et al., 1971	Smoking associated with coronary heart disease	VII-A. Obesity VIII-B. Hypertension VIII-C. Hypercholesterolem
Illinois		
P = 784 workers Stamler et al., 1960 Stamler 1959 Stamler et al., 1961		VII-B. Obesity VII-C. Diabetes VIII-B. Hypertension
Indiana		
S = examination of death certificate Morris 1967		VII-A. Physical activity VII-E. Socioeconomic
Maryland		
P = 629 male telephone workers Holland et al., 1967	Smoking not associated with coronary disease	VII-B. Blood pressure VII-E. Ventilatory
P = residents of community with hard water. Constock 1971	Smoking associated with coronary heart disease	VII-E. Socioeconomic

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Massachusetts			
S = 40,000 alumni Paffenbarger et al., 1966	Smoking associated with coronary heart disease	VII-B. VIII-B.	Obesity Blood pressure
R = 600 residents of rural area Pemberton and Macleod 1956	Smoking associated with coughing	VII-E.	Socioeconomic
New York			
P = 1,171 male executives and nonexecutives Lee and Schneider 1958		VII-E.	Socioeconomic
R = 100 young adults with coronary heart disease Russek and Zohman 1958		VI-C. VII-D. VII-E.	Familial Diet Socioeconomic
P = 8,152 males and females Doyle et al., 1968	Smoking associated with coronary heart disease		
R = 200 cases of myocardial infarction and 400 controls Hyams and Loop 1969	Smoking associated with coronary heart disease	VI-A. VIII-B.	Familial Hypertension
P = 260, 430 employees Hinkle 1966 Hinkle et al., 1968 Hinkle 1972		VII-E.	Socioeconomic
P = 110,000 men and women Shapiro et al., 1970	Smoking influences prognosis of coronary heart disease	VII-E.	Socioeconomic
North Carolina			
S = examination of death certificates Tyroler and Cassel 1964		VII-E.	Socioeconomic
North Dakota			
R = 228 urban and rural residents Syme et al., 1964 Syme et al., 1965	Smoking associated with coronary heart disease	VII-E.	Socioeconomic
Ohio			
P = 3,954 attorneys Friedman and Hellerstein 1968		VII-E.	Socioeconomic
Pennsylvania			
P = 1,549 in a German Community Bruhn et al., 1968		VII-E.	Socioeconomic
West Virginia			
P = 1,157 miners Higgins et al., 1969	Smoking associated with coronary heart disease	VIII-A. VIII-E.	Hypertension Ventilatory

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TABLE VII-E.

Role of Socioeconomic and other risk factors in patients with coronary heart disease

Part B. Foreign Countries

Country Investigators and Design	Role of Cigarette Smoking	Role of Other Risk Factors
Argentina		
R = 41 patients with second infarction De Soldati et al., 1971	Smoking prevalent	VII-C. Diabetes
Australia		
P = 3,410 adults in a rural community Welborn et al., 1969	Smoking not related to coronary heart disease	VII-C. Glucose VII-C. Hypercholesterolemia
P = Mass examination in community Cullen 1972	Smoking not compared	VII-C. Glucose tolerance VII-B. Hypertension VII-C. Hypercholesterolemia
Austria		
R = 729 myocardial infarction Reimer and Tiso 1971		VII-B. Obesity VII-B. Hypertension VII-C. Hypercholesterolemia
Belgium		
S = 990 clerks 40 to 59 years old Goossens and Messin 1966	Smoking not related to coronary heart disease	VIII-B. Hypertension VIII-C. Hypercholesterolemia
R = 181 myocardial infarction Deleixhe and Reginster-Hanene	Smoking not related to coronary heart disease	
S = 1,703 residents Meheus et al. 1972	Smoking associated with coronary heart disease	VIII-A. Electrocardiographic signs
Canada		
P = 27,865 individuals Best et al., 1961 Best and Walker, 1964 Best et al., 1967 MacEachen 1966, 1966, 1966	Smoking associated with mortality from cardiac heart disease	
S = 1,000 males 20 to 70 years old Goulet et al., 1968 Goulet et al., 1968	Smoking not associated with coronary heart disease	VI-C. Heredity VII-B. Obesity VIII-B. Hypertension VIII-C. Hypercholesterolemia
Czechoslovakia		
P = 70 patients angina pectoris Stejfa 1967	Smoking does not influence prognosis	
P = various occupations Hloucal and Dušek 1968	Smoking associated with coronary heart disease	VII-A. Farmers VIII-C. Hypercholesterolemia

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Czechoslovakia (Cont.)		
S = 1,213 patients in hospital Horak et al., 1968	Smoking prevalent in coronary heart disease	
P = Questionnaire Santrůček 1970	Smoking not associated with deaths in coronary heart disease	
S = 1,000 autopsies Fingerland et al., 1971	Smoking prevalent in coronary heart disease	
Finland		
R = 683 cases of myocardial infarction Ikkala 1960	Smoking no influence on prognosis	
P = 371 lumberjacks Karvonen et al. 1961	Smoking not related to coronary heart disease	VII-E. Occupation
P = 481 persons older than 65 years old Ruikka 1966	Smoking not associated with coronary heart disease	
P = 1,677 persons in rural areas Karvonen 1962, 1967 Karvonen et al., 1970 Karvonen 1971 Karvonen 1972 Punsar et al., 1969 Punsar et al., 1970	Smoking prevalent	VIII-E. Occupation
S = 1,314 executives Teräslinna et al., 1971 Romo 1972	Smoking related to coronary heart disease	VIII-B. Hypertension
France		
S = 54,460 factory workers Anonymous 1968	Smoking prevalent in coronary heart disease	
R = 100 cases of myocardial infarction Anjuère, 1968	Smoking prevalent in patients	
P = 1,867 residents Himbert et al., 1971	Smoking prevalent in patients with cardiac heart disease	
R = 70 cases of myocardial infarction J. Warter et al. 1972	Smoking rare	VII-A. Unusual effort precipitate infarction
Germany		
R = 170 patients with cardiac heart disease Keiser 1954	Smoking prevalent in patients compared to controls	
R = 550 cases of myocardial infarction Schimmler and Neff 1966 Schimler et al., 1968	Smoking prevalent	VII-B. Obesity VIII-C. Hypercholesterolem
R = 560 autopsy cases of myocardial infarction Crecelius 1966	Smoking prevalent in patients	VII-C. Diabetes VIII-B. Hypertension
R = 30 patients with myocardial infarction Storch et al., 1971	Smoking associated with young patients	VI-C. Psychogenic

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Great Britain		
S = 1,000 men 60 to 70 years old Brown et al., 1957	Smoking not related to coronary heart disease	
S = 1,737 men 50 to 60 years old Edwards et al., 1959	Smoking not related to coronary heart disease	
S = 3,341 male factory workers Lowe 1960	Smoking related to injury and absenteeism	
P = 667 middle aged businessmen Morris et al., 1966	Smoking related to coronary heart disease	VIII-B. Hypertension VIII-C. Hypercholesterolemia
S = 221 pensioners 68 to 85 years old Acheson 1961	Smoking not related to coronary heart disease	VIII-A. Electrocardiogram
R = 536 deaths of myocardial infarction Brown 1962	Smoking related to deaths	VI-C. Familial VII-B. Obesity VII-E. Occupation
S = 200 males below 60 years old Mulcahy et al. 1963 Mulcahy and Hickey 1965 Mulcahy and Hickey 1966 Mulcahy and Hickey 1966	Smoking related to coronary heart disease	
P = Random males 55 to 64 years old Armstrong and Wilson 1964	Smoking not related to incidence of coronary heart disease	VI-C. Constitutional
S = 676 postal workers 40 to 50 years old Reid et al., 1966	Smoking not related to incidence of coronary heart disease	VIII-B. Hypertension
P = 110 patients with myocardial infarction Spelman and Ley 1966		VI-C. Personality does not affect prognosis
P = 54,460 men in industry Brett and Benjamin 1968	Smoking related to mortality from coronary heart disease	
R = 400 male patient below 60 years old Mulcahy et al., 1969	Smoking prevalent among patients with coronary heart disease	VII-C. Diabetes VII-B. Hypertension VIII-C. Hypercholesterolemia
R = 91 male patients under 65 years old Cotton et al. 1972	Smoking prevalent	VIII-B. Hypertension
Greece		
P = 1,300 men in rural areas Aravanis et al. 1967 Aravanis et al. 1970	High incidence of smoking but low prevalence of ECG abnormalities	VII-B. Smokers thinner than nonsmokers.
India		
R = 100 cases with coronary heart disease Bansal, 1970	Smoking prevalent compared to controls	VI-C. Familial history VII-A. Exercise VII-E. Occupation VIII-C. Hypercholesterolemia
R = 1,200 cases of coronary heart disease Vytilingam	Smoking not related to coronary heart disease	VIII-A. Hypertension VIII-B. Hypercholesterolemia

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India (Cont.)		
R = 553 patients with coronary heart disease compared to 1,056 controls Mathur 1960	Smoking not associated with coronary heart disease	VII-E. Socioeconmic class VIII-A. Hypertension VIII-B. Hypercholesterolemi
R = 2,162 cases Jhatakia 1966		VII-E. Socioeconomic factor
S = mortality statistics in various areas Malhotra 1967	Smoking not related to coronary heart disease	VII-E. Socioeconomic
S = hospital admissions Jhatakia et al., 1967	Smoking not associated with coronary heart disease	
R = 450 cases of myocardial infarction Lal and Caroli 1967 Lal and Caroli 1968 Lal and Caroli 1968	Smoking not associated with coronary heart disease	VII-C. Diabetes VIII-B. Hypertension
R = 75 cases of coronary heart disease Chattopadhaya et al. 1968	Smoking associated with coronary heart disease	VI-C. Constitutional VI-D. Behavioral VII-E. Socioeconomic VIII-B. Hypertension
P = 2,030 resident Sarvotham 1968	Smoking not associated with coronary heart disease	VII-E. Socioeconomic
R = 150 cases of myocardial infarction Pandley 1970	Smoking not important risk factor	VII-C. Diabetes VIII-B. Hypertension VIII-C. Hypercholesterolem
R = 240 cases of coronary heart disease Singh and Singh 1971	Smoking not associated with coronary heart disease	VII-C. Diabetes VIII-B. Hypertension
Iceland		
S = Death certificate analysis Sigurjonsson 1969 Sigurjonsson 1969		VII-D. Diet
Israel		
P = 8,500 members in communal settlement Bruner and Manelis 1960		VII-A. Physical activity
P = 331 elderly residents Librach, 1967	Smoking not associated with coronary heart disease	VIII-B. Hypertension
P = 10,059 subjects Medalie et al., 1968	Smoking associated with coronary heart disease	VI-D. Anxiety VII-C. Diabetes VII-D. Diet VIII-B. Hypertension VIII-C. Hypercholesterolemia
Italy		
R = 100 patients with myocardial infarction Palma 1963		VII-E. Socioeconomic
R = 255 cases of myocardial infarction Della Salda et al., 1966	Smoking not associated with coronary heart disease	VI-C. Constitutional

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Italy (Cont.)		
P = 900 men in rural areas Fidanza et al., 1967		VII-E. Socioeconomic VIII-B. Hypertension
S = Analysis of death certificates Malesani 1967		VII-E. Socioeconomic
P = 800 railroad employees Menotti 1967		VI-A. Physical activity
P = 4,668 miners and exminers Casciu et al., 1968	Smoking associated with coronary heart disease	VII-E. Alcohol
R = 450 patient with myocardial infarction Di Cantogno et al., 1968	Smoking prevalent in patients	VII-A. Physical activity VII-D. Overeating
P = 8,000 inhabitants of 2 rural areas Puddu and Menotti 1969	Smoking prevalent in patients with myocardial infarction	VII-A. Physical activity VIII-B. Hypertension VIII-C. Hypercholesterolemia
R = 1,039 females with myocardial infarction Campos and Delneri 1969	Smoking prevalent	
S = 1,737 male laborers Canepa et al., 1968	Smoking prevalent	
R = 530 patients with coronary heart disease Agnese 1970	Smoking prevalent	VIII-B. Hypertension VIII-C. Hypercholesterolemi
R = 386 cases of myocardial infarction De Molo 1970		VII-C. Diabetes VIII-B. Hypertensions VIII-C. Hypercholesterolemi
S = death certificate examination Menotti 1972	Smoking associated with coronary heart disease	VIII-B. Hypertension VIII-C. Hypercholesterolemi
Japan		
P = 1,000 residents in fishing and farming village Kimura 1967	Smoking prevalent	
P = 10,429 residents Johnson et al., 1968	Smoking not associated with coronary heart disease	VIII-B. Hypertension VIII-C. Hypercholesterolem
Netherlands		
S = examination of death certificate Van Voorst Vader 1965	Smoking associated with coronary heart disease	
P = 100 farmers Dalderup et al., 1965 Dalderup 1971		VIII-E. Hypercholesterolemi
R = 34 patients with coronary heart disease	Smoking prevalent	VII-A. Physical activity VII-D. Diet
P = 25,000 residents vanBuchem 1970	Smoking not associated with coronary heart disease	VII-B. Body weight VIII-B. Hypertension VIII-C. Hypercholesterolem
New Zealand		
S = 1,000 males Hunter 1963		VIII-B. Hypercholesterolem

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North Africa		
S = 25 patients with coronary heart disease Bertrand et al., 1971	Smoking prevalent	VIII-C. Hypercholesterolemi
Norway		
P = 62 train drivers Berg and Melkild 1962	Smoking not associated with coronary heart disease	VII-A. Physical activity
P = 4,052 men Zeiner-Henriksen 1971	Smoking prevalent among coronary heart disease	VII-E. Urban factor
Peru		
P = 1,032 residents at high altitude Ruiz et al. 1969	Smoking not associated with coronary heart disease	
Phillippines		
R = 32 cases of myocardial infarction Gutierrez and Dayrit 1969	Smoking prevalent	VIII-B. Hypertension
Puerto Rico		
P = 9,814 urban and rural men García-Palmieri et al., 1970 -Benson et al., 1966	Smoking not associated with coronary heart disease	
South Africa		
P = 600 adult males Bronte-Stewart 1961	Smoking associated with coronary heart disease	VIII-C. Hypercholesterolem
P = 296 elderly Bantu Seftel et al., 1965 Seftel et al., 1970	Low incidence of smoking and coronary heart disease	(Absence of most risk factor
R = 250 cases of myocardial infarction Jacobs 1971	Smoking prevalent	VI-D. Emotional stress VII-B. Obesity VIII-B. Hypertension
Sweden		
P = 973 city residents Tibblin 1970 Tibblin 1968 Tibblin and Wilhelmsen 1971 Tibblin and Wilhelmsen 1971 Wilhelmsen et al., 1972	Smoking associated with coronary heart disease	VII-A. Physical activity VIII-B. Hypertension VIII-C. Hypercholesterolem
S = 3,249 hospital cases Johansson 1968		VII-C. Diabetes mellitus
Switzerland		
P = 3,479 physicians Strobel and Gsell 1965	Smoking associated with coronary heart disease	
P = 500 workers Heyden-Stucki and Schibler-Reich 1967	Smoking associated with hypertension	
USSR		
S = Survey of workers Golubovski 1968	Smoking associated with coronary heart disease	VII-E. Socioeconomic

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USSR (Cont.)		
R = 100 patient with myocardial infarction Borojev and Stanulovic 1971	Smoking prevalent	VII-B. Obesity VIII-B. Hypertension VIII-C. Hypercholesterolemia
P = 1,243 clerks or workers Glazunov et al., 1964		VII-E. Socioeconomic
Yugoslavia		
P = 11,121 Kozarević et al., 1971 Djordjević et al., 1967 Buzina et al., 1967 Djordjević et al., 1970	Low incidence of coronary heart disease	
P = 940 workers Vukadinović and Šarić 1966	Smoking associated with coronary heart disease	VI-C. Constitutional VII-B. Obesity VIII-B. Hypertension

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TABLE VII-E

Role of Socioeconomic and other risk factors in patients with coronary heart disease

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VII. PREVENTABLE RISK FACTORS

E. Socioeconomic Factors

TABLE VII-E

Role of Socioeconomic and other risk factors in patients with coronary heart disease

Part B. Foreign Countries

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Argentina

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